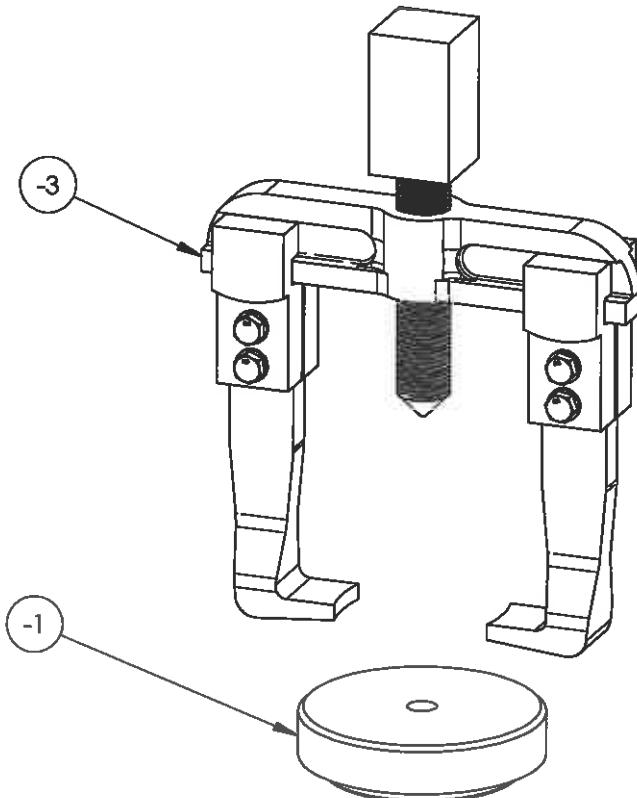


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REVISIONS					
REV	ECN	DESCRIPTION	DATE	INITIAL	APPROVED
A	18-866	RELEASED FOR PRODUCTION	03/12/2018	KPT	

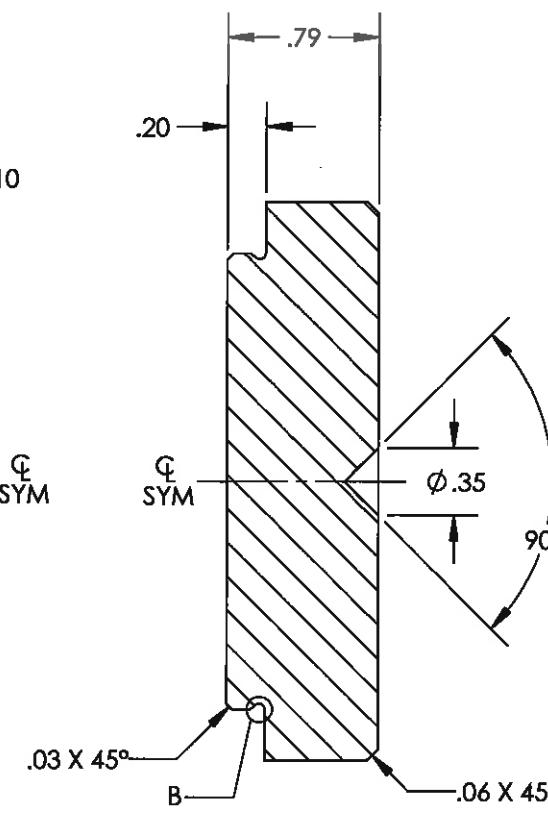
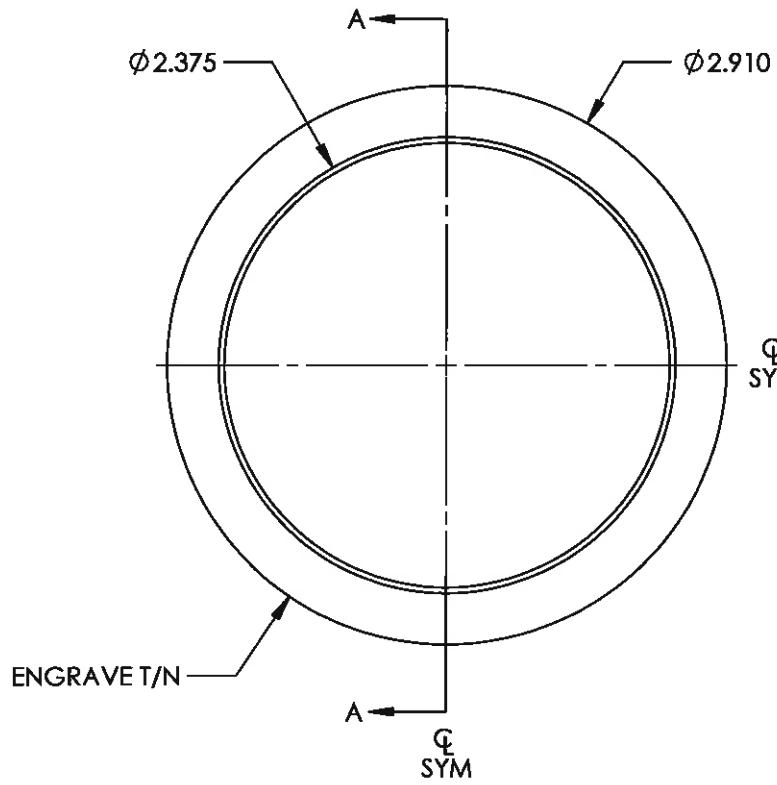


NOTE:  
REF. EUROCOPTER T/N: 105-14181W3.

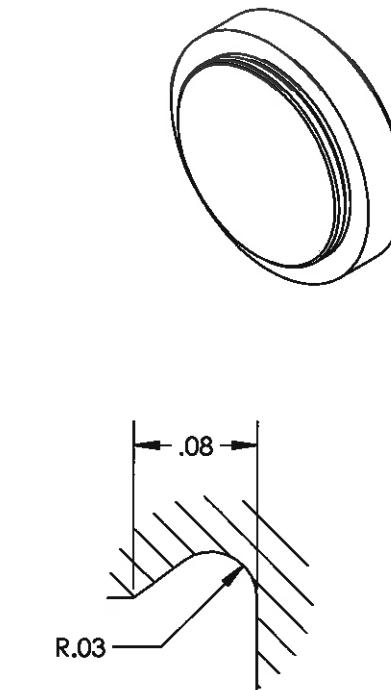
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SUPPORT	6061		2
X			-3	1	EXTRACTOR ASSEMBLY			3
1			-5		EXTRACTOR BAR	4140/4142 (28-32 RC)		4
1			-7		SPINDLE	4140/4142 (28-32 RC)		5
2			-9		EXTRACTOR JAW	4140/4142 (28-32 RC)		6
4			-11		EXTRACTOR JAW CLAMP	4140/4142 (28-32 RC)		7
4	B/O	-13			HEX HEAD CAP SCREW	STEEL	M5 X 0.8 X 35mm (MCMASTER-CARR #91280A240)	3
8	B/O	-15			WASHER	STEEL	M5 (MCMASTER-CARR #91166A240)	3
4	B/O	-17			HEX LOCKNUT	STEEL	M5 X 0.8mm (MCMASTER-CARR #90576A104)	3
ASSY -3								

TITLE		EXTRACTOR	
DWG NO.		RBE105-14181W3	
		REV	A
4	MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
5	HEAT TREAT FINISH	J00 ± .005 FRACTIONS ± 1/16	
6	SPEC	J0 ± .01 ANGLES ± 5°	X ± .1 SURFACES = 125✓
7	DRAWN BY:	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
3	CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3	OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
3	QA APPR:	USED ON MODEL	
3	APPROVED:	EC145	
	SCALE N/A	DATE 03/12/2018	SHEET 1 OF 7

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SECTION A-A

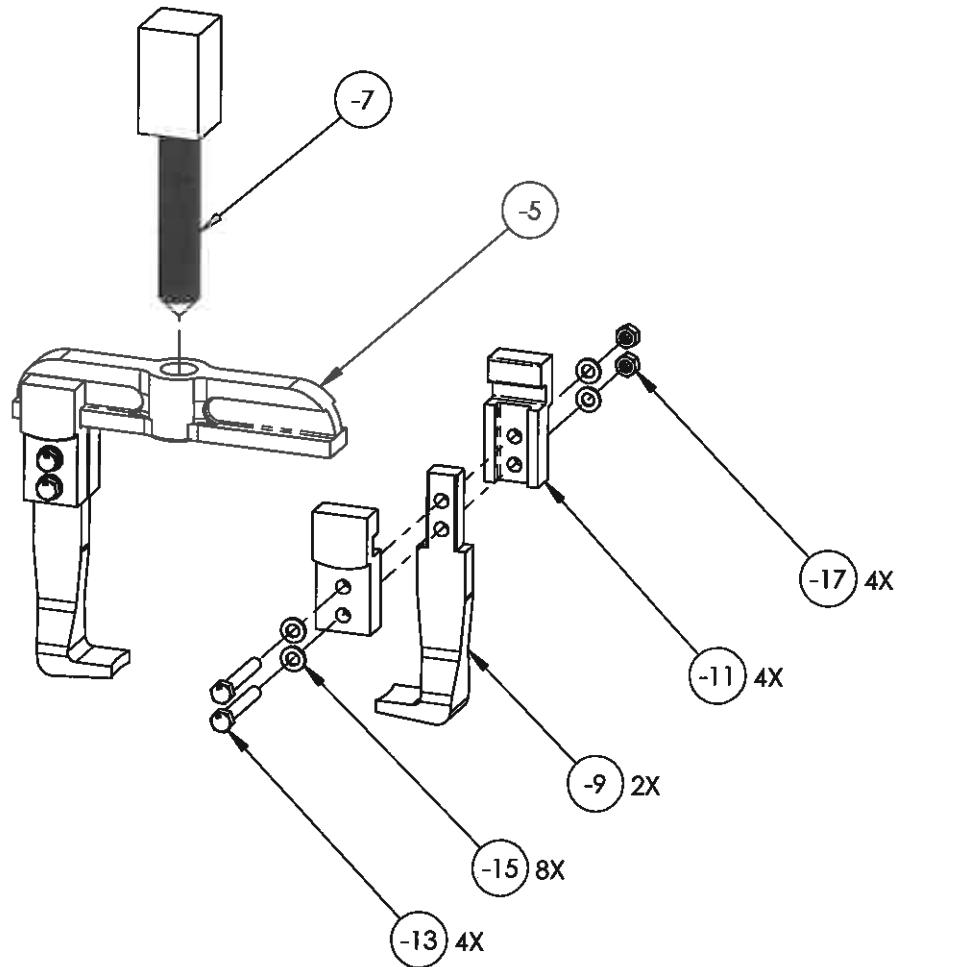


DETAIL B

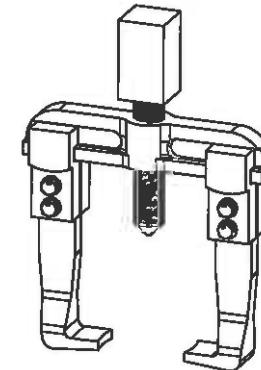
(-1)  
SUPPORT

DART AEROSPACE	
TITLE	
EXTRACTOR	
DWG NO.	RBE105-14181W3-1
REV	A
MATERIAL 6061 UNLESS OTHERWISE SPECIFIED	
HEAT TREAT FRACTIONS ± 1/8	
FINISH CLEAR ANODIZE ANGLES ± 5°	
SPEC MIL-A-8625 TYPE 2, CLASS 1 SURFACES = 125	
DRAWN BY:	
CHECKED:	
OPPS APPR:	DP
QA APPR:	N/A
APPROVED:	M
USED ON MODEL	EC145
SCALE	N/A
DATE	03/12/2018
SHEET 2 OF 7	

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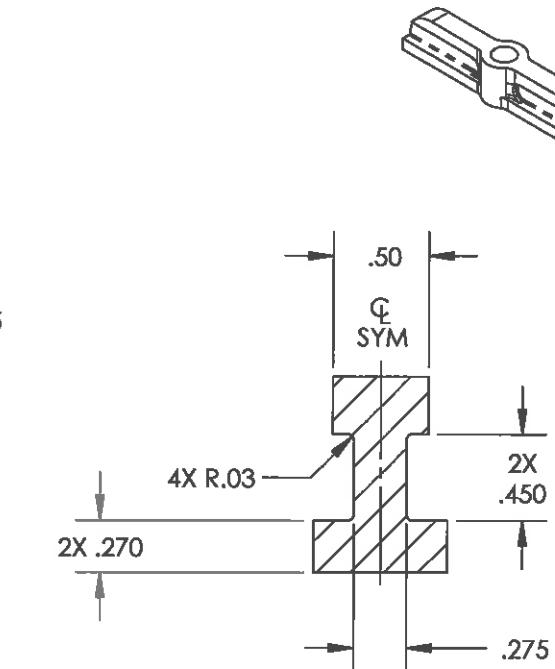
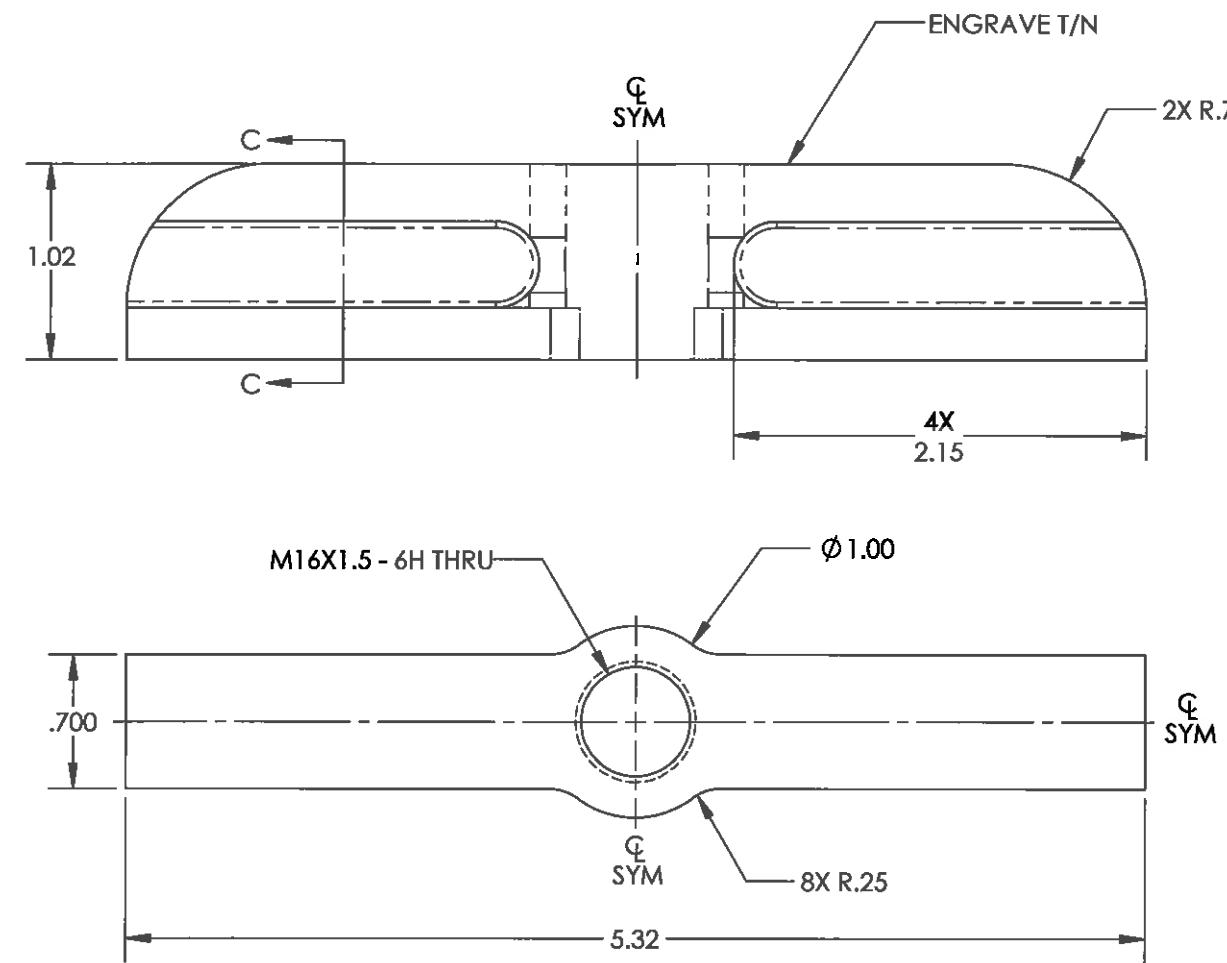


(3)  
EXTRACTOR ASSEMBLY



DART AEROSPACE	
TITLE	
EXTRACTOR	
DWG NO.	RBE105-14181W3-3
REV	A
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	XXX ± .005 FRACTIONS ± 1/8
FINISH	XX ± .01 ANGLES ± .5°
SPEC	X ± .1 SURFACES = 125
DRAWN BY:	DP
CHECKED:	DP
OPPS APPR:	DP
QA APPR:	N/A
APPROVED:	N/A
USED ON MODEL	EC145
SCALE	N/A
DATE	03/12/2018
SHEET 3 OF 7	

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SECTION C-C  
2 PLACES

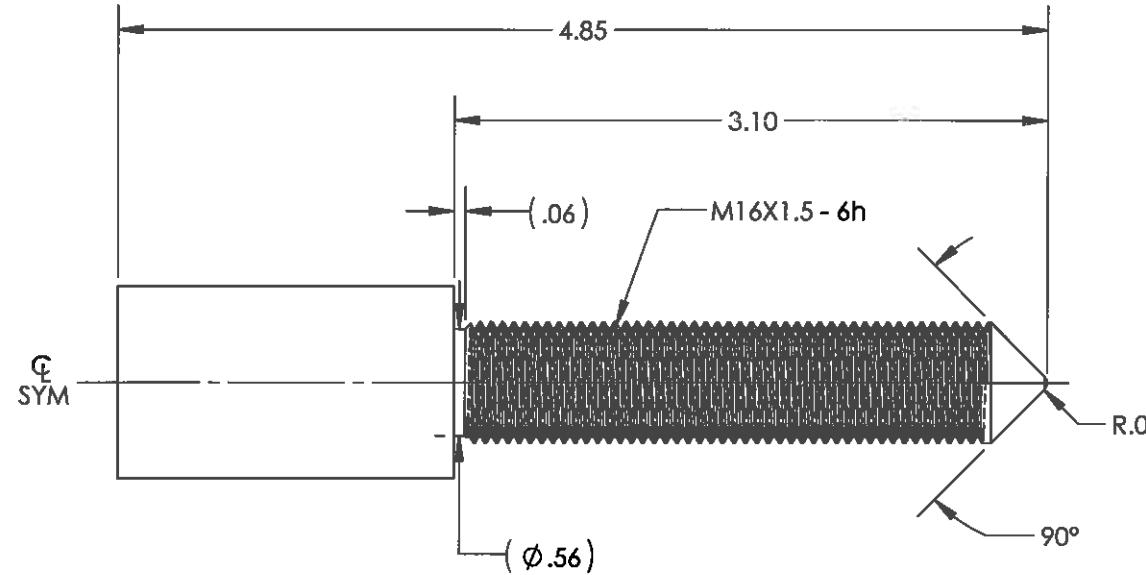
(5)  
EXTRACTOR BAR

DART AEROSPACE	
TITLE	
DWG NO. RBE105-14181W3-5 REV A	
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT 35-40 RC	JXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	JXX ± .01 ANGLES ± .5°
SPEC SEE NOTE	X ± .1 SURFACES = 125
DRAWN BY: <i>[Signature]</i>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <i>[Signature]</i>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: <i>[Signature]</i>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <i>[Signature]</i>	USED ON MODEL
APPROVED: <i>[Signature]</i>	EC145
SCALE N/A	DATE 03/12/2018
	SHEET 4 OF 7

NOTE:

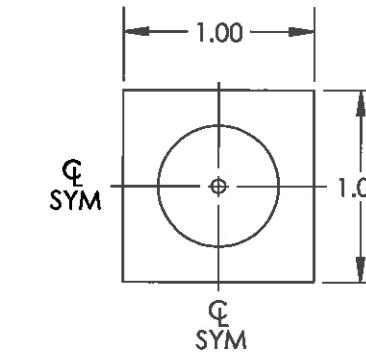
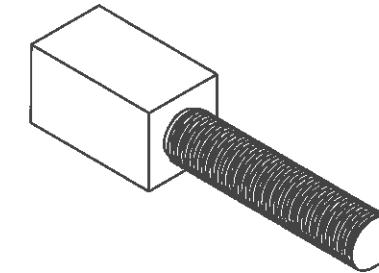
BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF  
OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III  
OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

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(-7)

SPINDLE



**DART**  
AEROSPACE

**EXTRACTOR**

DWG NO. RBE105-14181W3-7

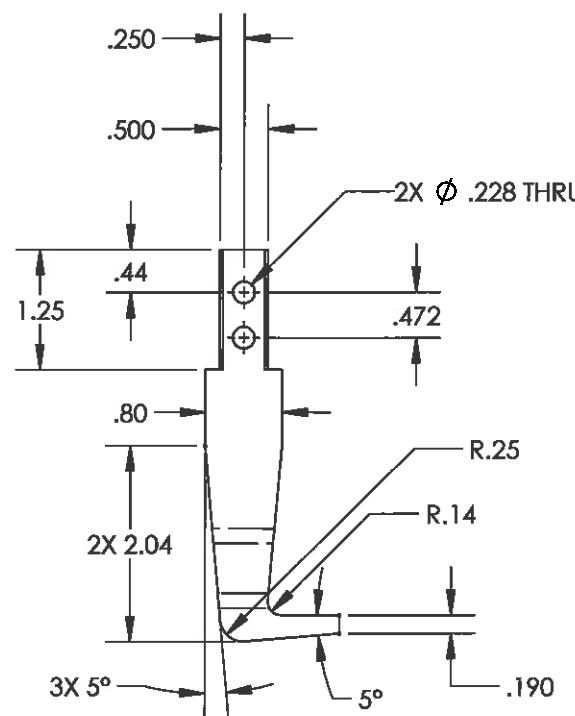
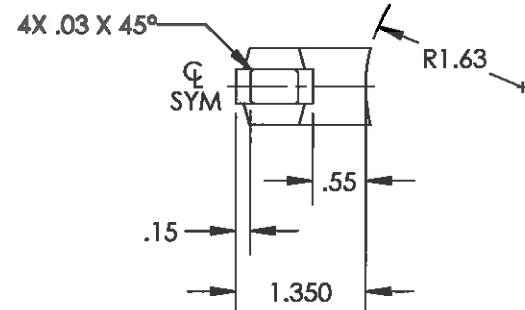
REV A

MATL 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT 35-40 RC	JOX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	JOX ± .01 ANGLES ± .5°
SPEC SEE NOTE	X ± .1 SURFACES = 125 ✓
DRAWN BY: <i>[Signature]</i>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <i>[Signature]</i>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: <i>[Signature]</i>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <i>[Signature]</i>	USED ON MODEL
APPROVED: <i>[Signature]</i>	EC145
SCALE N/A	DATE 03/12/2018
	SHEET 5 OF 7

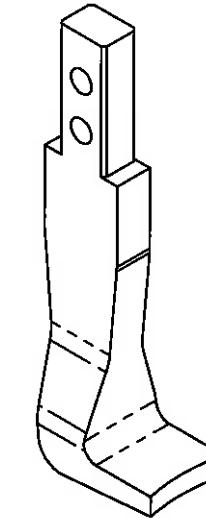
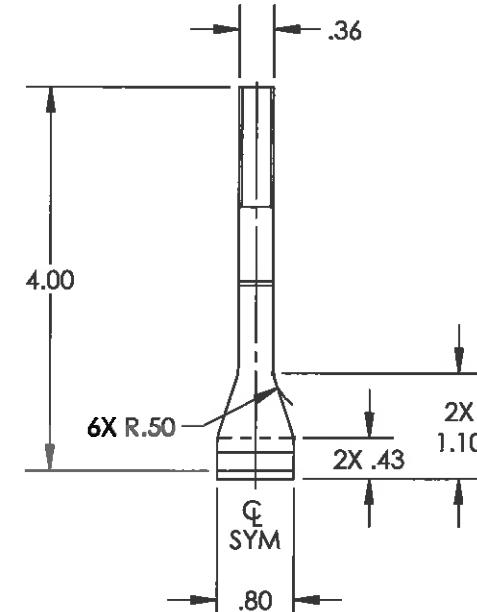
**NOTE:**

BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF  
OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III  
OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

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(-9)  
EXTRACTOR JAW



**NOTE:**  
BLACK OXIDE PER MIL-C-13924 CLASS 1  
THEN APPLY A THIN LAYER OF OIL / CPC PER  
MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-  
81309 TYPE III OR MIL-C-23411A OR MIL-PRF-  
81309 AND WIPE OFF EXCESS

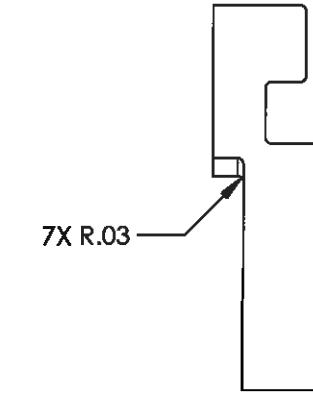
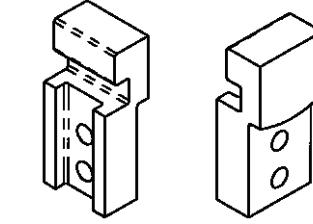
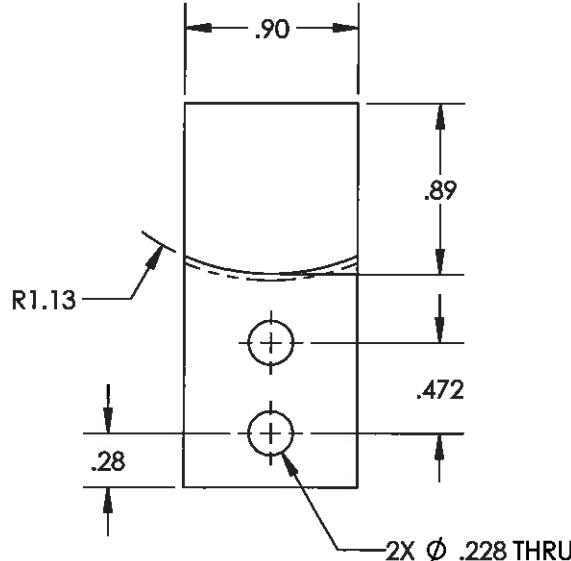
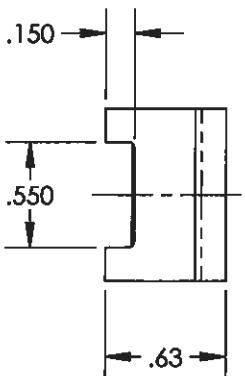
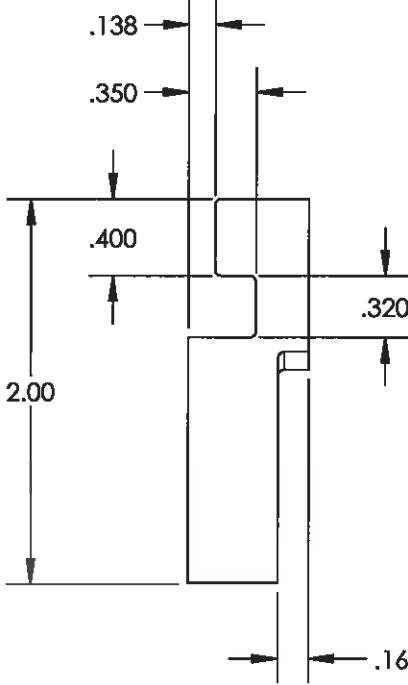
**DART**  
AEROSPACE

**EXTRACTOR**

DWG NO. RBE105-14181W3-9 REV A

MATL 4140/4142 UNLESS OTHERWISE SPECIFIED  
HEAT TREAT 35-40 RC DIMENSIONS ARE IN INCHES  
FINISH BLACK OXIDE XXX ± .005 FRACTIONS ± 1/8  
SPEC SEE NOTE XX ± .01 ANGLES ± .5°  
DRAWN BY: X ± .1 SURFACES = 125  
CHECKED: 1. BREAK ALL SHARP EDGES  
OPPS APPR: 2. DIMENSIONAL LIMITS APPLY  
QA APPR: AFTER PLATING  
APPROVED: 3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009  
USED ON MODEL  
SCALE N/A DATE 03/12/2018 SHEET 6 OF 7

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**NOTE:**  
BLACK OXIDE PER MIL-C-13924 CLASS 1  
THEN APPLY A THIN LAYER OF OIL / CPC PER  
MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-  
81309 TYPE III OR MIL-C-23411A OR MIL-PRF-  
81309 AND WIPE OFF EXCESS

**DART**  
AEROSPACE

**EXTRACTOR**

**DWG NO.** RBE105-14181W3-11 **REV** A

MAT'L	4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	35-40 RC	DIMENSIONS ARE IN INCHES
FINISH	BLACK OXIDE	JXXX ± .005 FRACTIONS ± 1/8
SPEC	SEE NOTE	XX ± .01 ANGLES ± 5°
DRAWN BY:		X ± .1 SURFACES = 125
CHECKED:		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR:		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR:	N/A	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED:	W. Haas	USED ON MODEL
SCALE	N/A	EC145
DATE	03/12/2018	SHEET 7 OF 7

EXTRACTOR JAW CLAMP